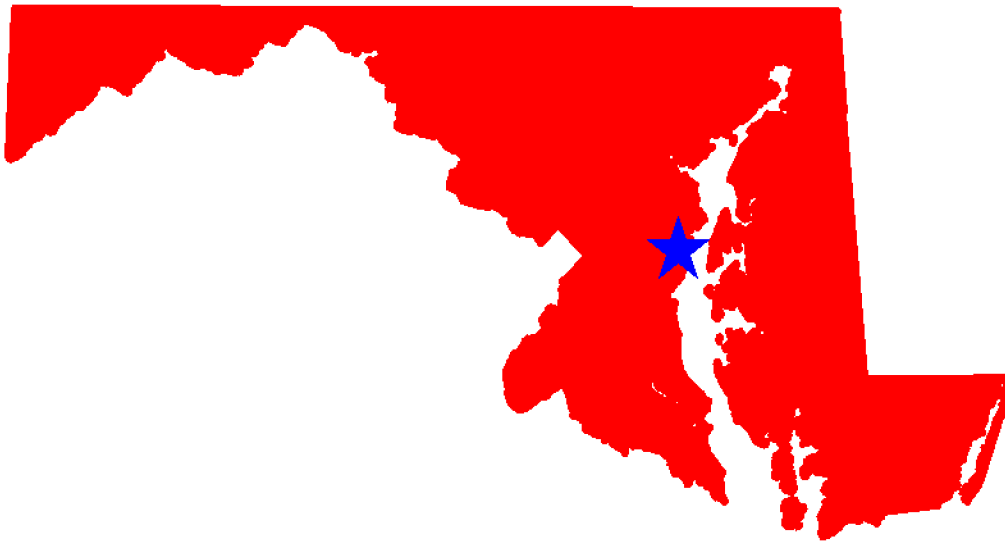




Traffic Safety Facts Maryland 2003-2007



This Report Contains Data From the Following Sources:

Fatality Data - NCSA Fatality Analysis Reporting System (FARS)

FARS Data: 2003-2006 Final File and 2007 Annual Report File (ARF)

Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Maryland State Survey

Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)

Population Data - U.S. Bureau of the Census



Table of Contents

Pg3. Fatality Rates: Maryland , U.S. and Best State
Pg4. Alcohol-Related Fatalities: Maryland , U.S. and Best State (Old Definition)
Pg5. Alcohol-Impaired Driving Fatalities: Maryland , U.S. and Best State (New Definition)
Pg6. Fatalities Per 100 Million VMT: Maryland , U.S.
Pg6. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: Maryland , U.S.
Pg7. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: Maryland , U.S. and Best State
Pg8. Passenger Vehicle Occupant Fatalities by Restraint Use: Maryland , U.S. and Best State
Pg9. Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Maryland , U.S.
Pg9. Passenger Vehicle Occupant by Observed Restraint Use: Maryland , U.S.
Pg10. Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
Pg10. Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
Pg11. Motorcycle Occupant Fatalities by Helmet Use and Lives Saved Estimates
Pg12. Fatalities by Person Type
Pg13. Fatalities by Crash Type
Pg14. Motorcyclist Fatalities by Age
Pg14. Motorcyclist Fatalities Per 100,000 Registered Motorcycles
Pg15. Top 10 Counties for Fatalities and Fatality Rates
Pg16. Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates



Fatality Rates: Maryland , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2003	Maryland	650	54,701	1.19	5,494,136	11.83
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Maryland	643	55,284	1.16	5,537,662	11.61
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Maryland	614	56,319	1.09	5,573,163	11.02
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Maryland	652	56,302	1.16	5,602,017	11.64
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Maryland	614			5,618,344	10.93
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

2007 State Vehicle Miles Traveled (VMT) Data is Currently Not Available. 2007 National VMT is a Preliminary Estimate and Subject to Change

[Back To The Table of Contents](#)



Alcohol-Related Fatalities: Maryland , U.S. and Best State (Old Definition)

Year		Total Fatalities in all Crashes	Alcohol-Related Fatalities**				Alcohol-Related Fatalities (BAC = .08+) Per 100 Million VMT
			BAC = .01+		BAC = .08+		
			Number	Percent	Number	Percent	
2003	Maryland	650	287	44	215	33	0.39
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Maryland	643	286	44	234	36	0.42
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Maryland	614	239	39	194	32	0.34
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		13	0.14
2006	Maryland	652	266	41	218	33	0.39
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Maryland	614	263	43	214	35	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers, Motorcycle Riders, Pedalcyclists and Pedestrians

[Back To The Table of Contents](#)



Alcohol-Impaired Driving Fatalities: Maryland , U.S. and Best State (New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)**		Alcohol-Impaired Driving Fatalities (BAC = .08+) Per 100 Million VMT
			Number	Percent	
2003	Maryland	650	187	29	0.34
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Maryland	643	211	33	0.38
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Maryland	614	165	27	0.29
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Maryland	652	189	29	0.34
	US	42,708	13,491	32	0.45
	Best State*			19	0.20
2007	Maryland	614	179	29	
	US	41,059	12,998	32	0.43
	Best State*			17	

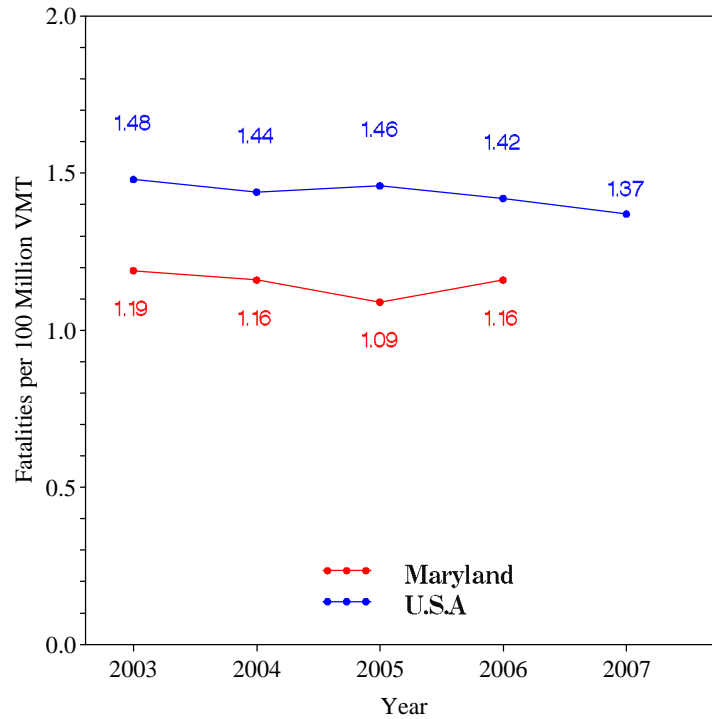
*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Includes BAC of All Involved Drivers and Motorcycle Riders Only

[Back To The Table of Contents](#)

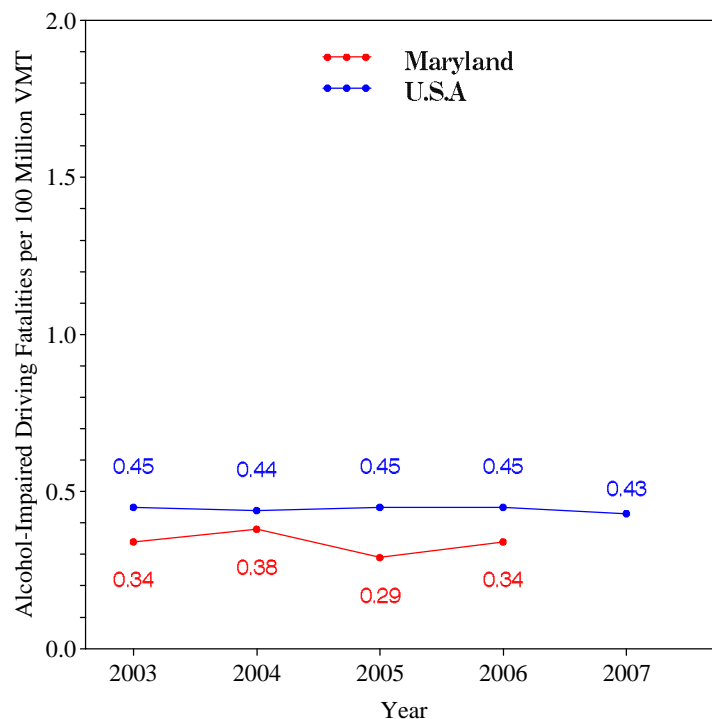


Fatalities per 100 Million VMT: Maryland and U.S



[Back To The Table of Contents](#)

Alcohol-Impaired Driving Fatalities per 100 Million VMT: Maryland and U.S



[Back To The Table of Contents](#)



Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Riders (Operators) Involved in Fatal Crashes: Maryland , U.S. and Best State

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2003	Maryland	162	49	30	308	256	83	470	305	65
	US	51,793	12,358	24	32,471	22,718	70	84,264	35,076	42
	Best State*			87			98			89
2004	Maryland	138	46	33	324	271	84	462	317	69
	US	51,440	12,277	24	32,596	21,984	67	84,036	34,261	41
	Best State*			84			97			90
2005	Maryland	172	36	21	293	255	87	465	291	63
	US	51,791	10,963	21	33,288	22,436	67	85,079	33,399	39
	Best State*			89			98			91
2006	Maryland	152	51	34	338	299	88	490	350	71
	US	49,884	11,028	22	32,940	22,531	68	82,824	33,559	41
	Best State*			86			100			87
2007	Maryland	155	27	17	281	236	84	436	263	60
	US	47,786	9,975	21	31,867	20,261	64	79,653	30,236	38
	Best State*			84			97			86

*State (or States) With Highest Percents: Highest Percents Could Be in Different States

[Back To The Table of Contents](#)



Passenger Vehicle Occupant Fatalities by Restraint Use: Maryland , U.S. and Best State

Year		Total Passenger Vehicle Occupant Fatalities	Total Passenger Vehicle Occupant Fatalities Restrained**		Observed Passenger Vehicle Occupant Restraint Use in all Traffic***
		Number	Number	Percent	Percent
2003	Maryland	456	235	52	88
	US	32,271	14,075	44	79
	Best State*			64	95
2004	Maryland	450	248	55	89
	US	31,866	14,225	45	80
	Best State*			68	95
2005	Maryland	397	212	54	91
	US	31,549	14,061	45	82
	Best State*			68	95
2006	Maryland	454	268	59	
	US	30,686	13,760	45	81
	Best State*			66	96
2007	Maryland	381	221	58	93
	US	28,933	13,306	46	82
	Best State*			64	98

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

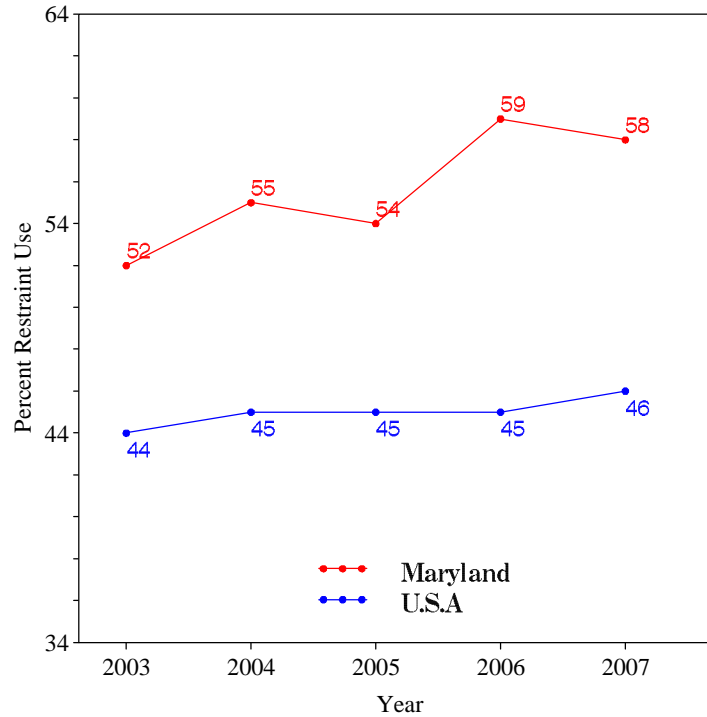
**Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

***USA Data: National Occupant Protection Use Survey. Maryland Data: State Survey

[Back To The Table of Contents](#)

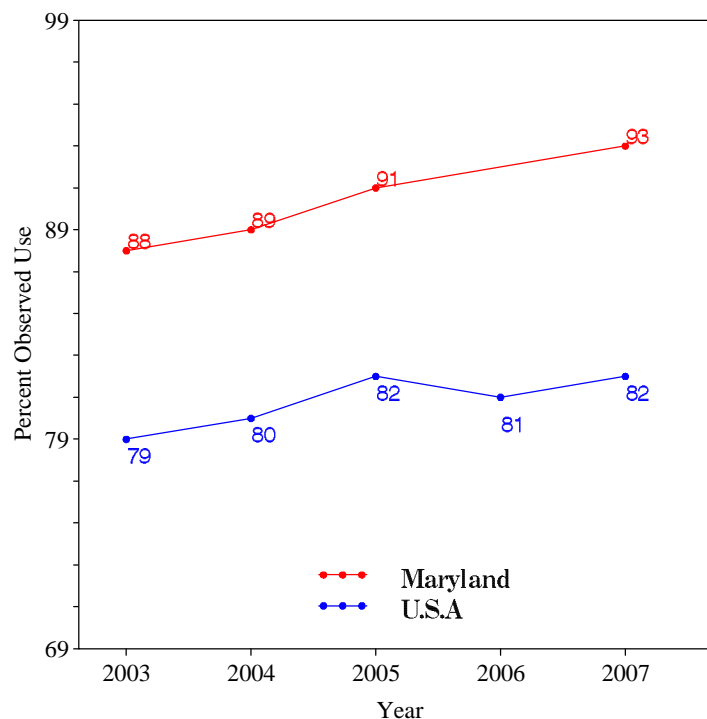


Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Maryland and U.S



[Back To The Table of Contents](#)

Passenger Vehicle Occupants by Percent Restraint Use Observed: Maryland and U.S



[Back To The Table of Contents](#)



Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged 5 and Above*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	449	229	220	231	55
2004	442	243	199	246	55
2005	389	208	181	226	42
2006	449	265	184	292	58
2007	379	219	160	254	38

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

[Back To The Table of Contents](#)

Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged Under 5*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	4	3	1	1	1
2004	7	5	2	6	2
2005	6	3	3	6	2
2006	3	2	1	3	0
2007	2	2	0	3	

*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

**Lives Saved Estimates

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Motorcycle Rider Fatalities*			Motorcycle Rider Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	56	54	2	32	1
2004	69	57	12	34	4
2005	85	76	9	45	4
2006	84	72	12	43	4
2007	95	84	11	50	4

*Unknown Helmet Use Was Proportionally Distributed Across Known Helmet Use

**Lives Saved Estimates

[Back To The Table of Contents](#)



Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%	#	%	#	%	#	%	#	%
Occupants	Passenger Car	337	18	311	17	274	16	316	17	254	15
	Light Truck - Pickup	42	2	57	3	41	2	47	3	52	3
	Light Truck - Utility	55	3	58	3	60	3	65	3	52	3
	Light Truck - Van	22	1	23	1	22	1	26	1	22	1
	Light Truck - Other	0	0	1	0	0	0	0	0	1	0
	Large Truck	9	0	10	1	9	1	8	0	9	1
	Bus	0	0	0	0	1	0	0	0	0	0
	Other/Unknown Occupants	4	0	3	0	9	1	4	0	4	0
	Total Occupants	469	25	463	25	416	24	466	25	394	23
Motorcyclists	Motorcycle	56	3	69	4	85	5	84	4	95	5
Non-Occupants	Pedestrian	114	6	97	5	102	6	95	5	116	7
	Bicyclist and Other Cyclist	7	0	12	1	7	0	7	0	7	0
	Other/Unknown Non-Occupants	4	0	2	0	4	0	0	0	2	0
	Total Non-Occupants	125	7	111	6	113	6	102	5	125	7
Total	Total	650	34	643	35	614	35	652	35	614	35

[Back To The Table of Contents](#)



Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
Total Fatalities (All Crashes)	650	643	614	652	614
- Single Vehicle (1)	325	361	325	335	355
- Involving a Large Truck (2)	62	83	60	61	69
- Involving Speeding (3)	201	248	215	239	216
- Involving a Rollover (4)	96	125	79	104	75
- Involving a Roadway Departure (5)	387	358	377	403	362
- Involving an Intersection (or Intersection related) (6)	156	133	165	151	120

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2003	0	14	15	16	10	3	58
2004	3	25	14	15	9	0	66
2005	5	25	25	16	11	2	84
2006	2	23	24	19	13	4	85
2007	7	27	27	17	10	7	95

[Back To The Table of Contents](#)

Motorcyclist Fatalities Per 100,000 Registered Motorcycles*

Year	Motorcyclist Fatalities	Total Motorcycle Registrations	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	58	63,994	90.63
2004	66	72,844	90.60
2005	84	76,230	110.2
2006	85	72,626	117.0
2007	95		

*Data Source: FHWA

[Back To The Table of Contents](#)



Top 10 Counties for Fatalities and Fatality Rates

Top 10 Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Prince Georges	125	15.08
2	Baltimore County	72	9.13
3	Anne Arundel County	48	9.37
4	Montgomery County	48	5.16
5	Baltimore city	47	7.37
6	Harford County	29	12.08
7	Frederick County	25	11.13
8	Charles County	23	16.38
9	Cecil County	22	22.07
10	Carroll County	21	12.41

Median Rate for all U.S. Counties: 20.32

Top 10 Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Kent County	8	40.03
2	Talbot County	12	33.16
3	Garrett County	8	27.00
4	Queen Anne	12	25.77
5	Worcester County	11	22.28
6	Cecil County	22	22.07
7	Calvert County	17	19.27
8	Wicomico County	18	19.23
9	Charles County	23	16.38
10	Caroline County	5	15.19

[Back To The Table of Contents](#)



Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates

Top 10 Alcohol-Impaired Driving Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Prince Georges	40	4.86
2	Baltimore County	31	3.93
3	Anne Arundel County	12	2.40
4	Montgomery County	11	1.13
5	Baltimore city	10	1.58
6	Howard County	10	3.47
7	Washington County	6	4.41
8	Cecil County	6	6.22
9	Harford County	6	2.46
10	Calvert County	5	6.12

Median Rate for all U.S. Counties: 5.11

Top 10 Alcohol-Impaired Driving Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Kent County	4	20.01
2	Talbot County	4	10.22
3	Caroline County	3	9.72
4	Garrett County	3	9.45
5	Dorchester County	2	6.28
6	Cecil County	6	6.22
7	Calvert County	5	6.12
8	Wicomico County	5	5.77
9	Allegany County	4	5.51
10	Prince Georges	40	4.86

[Back To The Table of Contents](#)